PARALLEL NON-ITERATIVE METHOD OF DETERMINING AND CORRECTING IMAGE SKEW

5

Abstract of the Disclosure

A method of determining image skew in a scanned document includes scanning the image and determining on a pixel-by-pixel basis whether or not pixels are ON or OFF on scan lines and columns along both the fast and slow scan directions for a particular document rotation angle. Through one read of the image, image data

10 is sampled simultaneously at a plurality of predetermined document rotation angles From the sampled data, the second order moment of the number of ON pixels is calculated as a function of document rotation angle for scan lines along both the fast and slow scan directions, yielding two independent skew angle estimates Skew angle estimates corresponding to valid second order moment data sets are compared and

15 combined to provide a resultant skew angle estimate for the document

L \CAM\DATA\JAW\SEPT01\xer20430 doc